HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

- `	UTILITY
PA1	TENT APPLICATION
	TRANSMITTAL

Attorney Docket No. 0100 2050-001 First Named Inventor or Application Identifier Express Mail Label No.

	KANSIMIIIAL
Only for	new nonprovisional applications under
2000	new nonprovisional applications under 37 C.F.R. 1.53(b))

0100.2050 001	
Paul C. Arnold	I.S. P 9446
EV 052031706 US) 1 9 1 9
	-

50	
	Title of
辰	Inventio

AN IONIZATION GAUGE Mail Stop Patent Application APPLICATION ELEMENTS Commissioner for Patents ADDRESS TO: See MPEP chapter 600 concerning utility patent application contents. P.O. Box 1450 Alexandria, VA 22313-1450 6. [] Nucleotide and/or Amino Acid Sequence Submission 1. [] Fee Transmittal Form (if applicable, all necessary) (Submit an original, and a duplicate for fee processing) Computer Readable Form Total Pages [15] 2. [X] Specification (preferred arrangement set forth below) Paper Copy (identical to computer copy) Descriptive title of the invention Cross References to Related Applications | Pages Statement Regarding Fed sponsored R & D Statements verifying identity of above copies c. [] Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention **ACCOMPANYING APPLICATION PARTS** Brief Summary of the Invention 7. [] Assignment Papers (cover sheet & documents) Brief Description of the Drawings (if filed) **Detailed Description** [X] Assignee - Helix Technology Corporation Mansfield, Massaschusetts 02048 Claim(s) Abstract of the Disclosure 37 C.F.R. 3.73(b) Statement [] 8. [] Power of Attorney 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [4] [X] Fig. of the Drawings for Publication 9. [] English Translation Document (if applicable) [] No Figure to be Published 10. [] Information Disclosure Statement (IDS)/PTO-1449 [] Copies of IDS Citations Total Pages [] 4. [] Oath or Declaration 11. [] Preliminary Amendment a. [] Newly executed (original or copy) Copy from a prior application (37 C.F.R. 1.63(d)) 12. [X] Return Receipt Postcard (for continuation/divisional with Box 17 completed) 13. [] Small Entity Statement(s) i. [] DELETION OF INVENTOR(S) 14a. [] Foreign Priority Claim under 35 U.S.C. §119 or 365 Signed statement attached deleting inventor(s) named in the prior 14b. [] Certified Copy of Priority Document(s) application, see 37 C.F.R. 1.63(d)(2) 15. [] Nonpublication Request (check parent application) and 1.33(b). CD-ROM or CD-R in duplicate, large table or Computer 16. [] Other 5. [] Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. 10/782,368 of prior application No.: [] Divisional [X] Continuation-in-part (CIP) [] Continuation Group Art Unit: Prior application information: Examiner: The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same)

NAME	Customer No. 021005						
	HAMILTON,	HAMILTON, BROOK, SMITH & REYNOLDS, P.C.					
ADDRESS	530 Virginia	530 Virginia Road, P.O. Box 9133					
CITY	Concord	STATE	MA	ZIP CODE	01742-9133		
COUNTRY	USA	TELEPHONE	(978) 341-0036	FAX	(978) 341-0136		

18. CORRESPONDENCE ADDRESS

Signature	1	29 not	Date	3	12/	04
Submitted by Typed or Printed Name		Joseph M. Maraia	Reg. Number			55,926